

Thematic Groupings

Descriptions and Examples

Public Safety and Infrastructure

This analysis focuses on determining the vulnerability of key individual facilities, lifelines, or resources within the community. It is important to protect critical facilities to ensure that service interruption is reduced or eliminated. It could also focus on identifying hazardous facilities or secondary risk sites that could pose public safety concerns.

Analysis could include:

Fire and Rescue
Police
Communication
Transportation
Utilities
Government
Daycare Facilities
Schools
Hospitals
Nursing Homes
Shelters
Pump Stations
Evacuation Routes

Toxic Release Inventory Sites
Discharge Areas
Nuclear Facilities
Oil Facilities
Hazardous Substance
Disposal Sites
Solid Waste Facilities
Ports
Marinas
Building Inventory for Each
Site
Building Footprints for Each
Site
Underground Storage Tanks
Farms (cattle, hog, poultry)
NPDES Permit Sites

Society and Economy

A societal vulnerability assessment examines the vulnerability of people of different ages, income levels, ethnicity, capabilities, and experiences and their ability to cope with the effects of sea level rise. By understanding where special populations are, vulnerability of individuals can be reduced the requirements for public services can also be reduced.

An economic vulnerability assessment examines the vulnerability of your local economy to the impacts of Sea Level Rise. Analyzing your economy's susceptibility to the negative impacts associated with Sea Level Rise can be accomplished by looking at spatial relationships between your centers of economic activity as well as your largest employers among others.

Analysis could include:

Examples of Vulnerable
Populations
Percent Non-white Population
Percent Households below
Poverty
Percent Persons over Age 65
Percent Single Parent with Child
Families
Percent No High School Diploma
Percent Households with Public
Assistance Income
Percent Rental Housing
Percent No Vehicle Available

General overview
Employment by Economic
Sector
Annual Payroll by Sector
Annual Sales
Receipts
Shipments by Sector
Detailed community
economic
information:
Land Use Data
County Parcel Data
Zoning

Natural Resources

This analysis category focuses on identifying important natural resource and environmental features. Impacts to natural resources are important to consider because they not only jeopardize habitats and species, but they can also threaten public health (e.g., water quality), various economic sectors (e.g., tourism and fishing), and quality of life (e.g., access to natural landscapes and recreational activities).

Analysis could include:

- Wetlands
- Protected Areas, Wildlife Refuges,
Preserves
- Endangered Species/Threatened
Species
- Cultural/Historic Sites
- Archeological Sites
- Fisheries
- Estuaries
- Environmental Sensitivity Index
Maps
- Recreational Areas (tourism,
beachgoers, boaters)
- Shellfish Harvest Areas
- Groundwater Recharge Areas
- Local Habitats (Corals,
Mangroves, Salt Marshes, Sea
grasses)
- STORET
- Shoreline